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Document ID: JP 07-249191 A2**Title:** PROVIDING DEVICE FOR RUNNING INFORMATION**Assignee:** NISSAN MOTOR CO LTD**Inventor:** SHIRATORI AKIRA
TAKAHASHI HIROSHI**US Class:****Int'l Class:** G08G 01/0969 A; G01C 21/00 B; G06F 17/40 B; G09B 29/00 B**Issue Date:** 09/26/1995**Filing Date:** 03/11/1994**Abstract:**

PURPOSE: To provide a running information providing device whereby conditions being more minute than conventional technique is referred to so as to provide a driver correct information to the utmost and also jam information with those minute conditions is recorded so as to make good use of them at the time of succeeding running.

CONSTITUTION: A map information recording means 21 where map information containing a jam head position candidate and a map generation cause candidate is recorded, a jam state detecting means 12 detecting the jam state of one's own vehicle circumference classified by lanes, a navigation means 11 detecting the present position of the vehicle, a jam cause estimating means 13 selecting the main cause for the occurrence of jam by the output of the jam state detecting means 12 and that of the navigation means 11, a jam information recording means 22 recording the outputs of the navigation means 11 and the jam cause estimating means 13, a data, a day of the week and the weather, a jam information retrieving means 14 reading jam information on the vehicle running lane ahead of the vehicle from the means 22 and a reporting means 6 reporting an output result by the means 14 to the driver are provided.

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